

19990909.ba v02_n663.bam.990909

>From ???@??? Fri Sep 10 03:05:40 1999
Message-Id: <199909100336.d8A3aIJ27391@sco.theporch.com>
Date: Thu, 9 Sep 1999 22:33:18 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2663

BOATANCHORS Digest 2663

Topics covered in this issue include:

- 1) Free tube boxes!
by William Donzelli <aw288@osfn.org>
- 2) RE: Info on DZ-2 Direction Finding Receiver
by polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
- 3) C-29/ARC-5 available
by Paul Nelson <drhydro@ames.net>
- 4) SCR-274N mystery
by Jack Antonio <dia@dia.reno.nv.us>
- 5) Re: SCR-274N mystery
by David Ross <ross@hypertools.com>
- 6) Original Heathkit SB-100 Manual Wanted
by Sandy Gerli <angerli@esslink.com>
- 7) Re: SCR-274N mystery
by AAFRadio@erols.com
- 8) Re: [Hallicrafters] SX-18 "Sky Challenger II" 'sky grunion' (AA4RM)
by "Bob Duckworth" <wb4mnf@atl.org>
- 9) Parts for R388 Needed
by "ROBERT F. KEMP" <rkemp@mr.net>
- 10) Re: FREE to good home: SX-25 inspection tag
by Ray Vasek <w2ec@ibm.net>
- 11) ADMINISTRIVIA: No More Reposts
by listown@jackatak.theporch.com (Mail List Owner)
- 12) HB Audio Amp FS
by Don <71333.144@compuserve.com>
- 13) BA Misc & Literature FS
by don merz <71333.144@compuserve.com>
- 14) Sams Photo Facts
by Jim Isbell <mfalcon@pyramid3.net>
- 15) SOME THOUGHTS ON TEST EQUIPMENT, ETC.
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 16) MILITARY TEST SET AN/USM-24 QUESTION
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 17) WTB UV 199 tubes
by George T Folse III <kb5ww@bellsouth.net>
- 18) WANTED: WW-II MILITARY RADAR GEAR

- by David Stinson <arc5@ix.netcom.com>
- 19) American Basic Science Club
by cswiger <cswiger@wilma.widomaker.com>
 - 20) Tube question
by Morris Odell <morriso@vifp.monash.edu.au>
 - 21) Chicago Transformer specs?
by "Larry Bearse" <lbearse@mail1.nai.net>
 - 22) Wtd: original manual for Hammarlund HQ-180A
by Avery Comarow <acomarow@usnews.com>
 - 23) Vacuum Tube Metallization
by "Barry L. Ornitz" <ornitz@tricon.net>
 - 24) Re: Tube question
by "Arden Allen" <gumbear@pacbell.net>
 - 25) Odds & Ends FS
by don merz <71333.144@compuserve.com>

Date: Wed, 8 Sep 1999 14:50:07 -0400 (EDT)
From: William Donzelli <aw288@osfn.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Free tube boxes!
Message-ID: <Pine.SUN.3.91-FP.990908144426.1371C@osfn.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well, only two of them, so don't get too excited. This year's AWA show yielded four VT-5s (other stuff, too) that I needed. Well, the tubes went into the radio, so I have some extra boxes - typical Western Electric blue with white and orange lettering. Postage will be \$2. Rule of Ware apply!

William Donzelli
aw288@osfn.org

Date: Wed, 8 Sep 1999 15:27:34 -0400
From: polepeeg@aaa4rm.ba-watch.org (Marty's Refl. Drop)
Message-Id: <199909081927.PAA02950@aaa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Info on DZ-2 Direction Finding Receiver

That was my DZ-2 @ AWA Rochester. Complete set-up in as-new condx. Only complete WW2 system exhibited in '95... per mgmt suggestion. Got 3rd place. Cronyism?

Probably not, just not a very extensive system - dyno, RX, loop, book.

Send ur address for schemat.

Marty

Mime-Version: 1.0
Message-Id: <v04210100b3fc92d0a605@[208.142.211.115]>
Date: Wed, 8 Sep 1999 17:46:57 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Paul Nelson <drhydro@ames.net>
Subject: C-29/ARC-5 available
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Gang:

I have a fairly rough C-29, four-transmitter control box, for FREE
(well, five bux shipping in continental US)!

Here's the skinny- Has been painted gray, with front panel crudely
masked. Has raised front panel legends, good condx, raised enough to
be restorable. looks like a brass nameplate with blue background,
contract NXsa20124(round blank)(stamped 875)CCT. I've scraped a
little on it to read it. Inside, it's fairly clean, and the
connector pins are in good shape. It's been wet around the bottom,
though- three of the eight screws which hold the base on snapped off
when I tried to unscrew them and there's a little corrosion evident.

Overall, I wouldn't wanna pay very much for it unless I *really*
needed it and couldn't find a better one- but for shipping, I'd say
ayup. And I do think it'll clean up nicely.

Rules of Ware apply. Whoever wants it most and can be most (sob!)
convincing, gets it. Or not, at my whim.

Paul Nelson W5GNF "When I go, I want to go quietly, in my
Ames, Iowa sleep, like my grandfather- not
 screaming, like his passengers."

(DrHydro@ames.net)

Cessna 140 N77149 "More hay, Trigger?"
 "No thanks, Roy, I'm stuffed."

Message-ID: <37D7257A.66B2@dia.reno.nv.us>
Date: Wed, 08 Sep 1999 20:11:54 -0700
From: Jack Antonio <dia@dia.reno.nv.us>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: milsurplus@qth.net
Subject: SCR-274N mystery
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Good evening all:

I recently received a DM-33 dynamotor to place on my BC-456, like I always thought it should be. But when I went to actually do it, the dynamotor wouldn't fit. It seems the dimensions for the snap slide studs on the modulator are about 1/4" off in one direction.

The holes in the dynamotor(DM-33-A)are spaced 2 and 1/2" apart,
The studs in the modulator(BC-456-E) are spaced 2 and 1/4" apart.

The distance in the other direction is the same-5 and 3/4" apart on both.

Anyone know what gives? Do I have an oddball dynamotor, or do I have an oddball modulator?

Thanks!

Jack Antonio WA7DIA
dia@dia.reno.nv.us

Message-Id: <3.0.6.32.19990908215359.007b6c50@mail.willapabay.org>
Date: Wed, 08 Sep 1999 21:53:59 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: David Ross <ross@hypertools.com>
Subject: Re: SCR-274N mystery
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Jack & the gang -

At 08:11 PM 09/08/1999 -0700, Jack Antonio wrote:

>
>I recently received a DM-33 dynamotor to place on my BC-456
>...
>The holes in the dynamotor(DM-33-A)are spaced 2 and 1/2" apart,
>The studs in the modulator(BC-456-E) are spaced 2 and 1/4" apart.
>
>The distance in the other direction is the same-5 and 3/4" apart on
>both.
>
>Anyone know what gives? Do I have an oddball dynamotor, or do I
>have an oddball modulator?

The 2 1/4" measurement on your BC-456 is correct. Could it be that someone replaced the mounting base on your DM-33 with another mounting base, in order to use the DM-33 on another radio?

If I remember, the Command Set TX dynamotor is pretty much the same size as the ARC-3 TX dynamotor. Maybe somebody grafted an ARC-3 mounting base onto your DM-33.

73

Dave Ross N7EPI ross@hypertools.com

Message-ID: <37D74ED8.BC60F86A@esslink.com>
Date: Thu, 09 Sep 1999 02:08:24 -0400
From: Sandy Gerli <angerli@esslink.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Original Heathkit SB-100 Manual Wanted
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, guys,

Want one to go with my '100. I know the SB-101 book is better, but want the original. Anyone have one??

Tks es 73,

--

Sandy Gerli, AC1Y
500 Country Club Road
Avon, CT 06001-2406
(860) 675-5566
E-Mail: angerli@esslink.com

Life Member: ARRL, QCWA
Collins Collectors Association
Hallicrafters Collectors Association

Boatanchors are Ham Radio's living heritage!
Restore something! Smell that hot solder!
Better 'n booze. And, you can get up afterwards!!
Keep your finals dipped, now...

From: AAFRadio@erols.com
Message-ID: <37D77C91.EEE8E6BA@erols.com>
Date: Thu, 09 Sep 1999 05:23:29 -0400

MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: SCR-274N mystery
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

David Ross wrote:

> If I remember, the Command Set TX dynamotor is pretty much the same size
> as the ARC-3 TX dynamotor. Maybe somebody grated an ARC-3 mounting base
> onto your DM-33.

Yup, Dave's right. That's a DM-21/ARC-3 mounting plate. Both dynamotors use the identical case, too - better check to see if the output voltage is 410v (ARC-3) or 560v (ARC-5).

73,
Mike Hanz

Message-Id: <199909091438.KAA17646@hat-trick.atl.org>
From: "Bob Duckworth" <wb4mnf@atl.org>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "baswaplist" <baswaplist@foothill.net>
Subject: Re: [Hallicrafters] SX-18 "Sky Challenger II" 'sky grunion' (AA4RM)
Date: Thu, 9 Sep 1999 10:31:15 +0100

I could find no SX18 photos on the net so...
Here are some photos of the radio in as found
minus any dust that fell off of it's own accord.
Also a tatty KWM2 but that's another pickled fish.
If anyone wants to glom a copy of the SX18 photos for a Halli web
page, feel free BUT, tag it as my radio (wb4mnf)
and, include a link to www.debris.org root web dir.
-bob

<http://www.debris.org/photos/grunion/>

Message-ID: <37D7F054.F81@mr.net>
Date: Thu, 09 Sep 1999 10:37:24 -0700
From: "ROBERT F. KEMP" <rkemp@mr.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Parts for R388 Needed
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anyone have the slugs for the main tuning rack on an R388!

I've got a R388 that the slugs were damaged in shipping (the rear 3).
Any help would be appreciated.

Bob.

Message-ID: <37D7D47C.2B93C71B@ibm.net>
Date: Thu, 09 Sep 1999 11:38:36 -0400
From: Ray Vasek <w2ec@ibm.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: FREE to good home: SX-25 inspection tag
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've had several requests to let people see what this tag looked like so I've added a scan of the front and rear to my web page. You can see this tag at:

"http://www.geocities.com/~ac_cars/sx25tag.html"

By the way, the tag has already been committed to the first person to respond in the event no one else comes up with the correct serial number by Sunday 12 SEP 1999.

73, Ray W2EC

Message-Id: <199909091615.d89GF1i08381@jackatak.theporch.com>
From: listown@jackatak.theporch.com (Mail List Owner)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ADMINISTRIVIA: No More Reposts
Date: Thu, 9 Sep 99 11:15:01 CDT

Gang-

This is a reminder that reposting of For Sale or Wanted items from other internet sources (lists and auctions) is discouraged.... may prohibited on the BoatAnchors list.

If a BA list member wants to post the item elsewhere and on the BA list, that creates NO problem. What we are trying to avoid are "seen on EBay" or "prime rig on xxx list" type posts... Very few BA members limit their searching to just the BA list!

The problem comes when the poster in the other venue is not asked about the re-post... without the permission of the poster, problems are guaranteed, and I do not have the time, the energy, or the desire to address and deal with the headaches that re-posting causes... I'll

grant you that folks in other venues need to be re-calibrated, but I do NOT want to referee! ;^)

So, henceforth, let's have NO re-posts from other sources referred to the list. Yes, I know this may sound pretty provincial, but those who really care have browsers and know where to look, and those who don't, probably don't....

I do NOT need the aggravation of someone who posts to a newsgroup and then has to fight off the hungry folks from the BA list who want to rearrange his viewpoint or calibrate his selling technique.

ENOUGH! Already... Just don't do it!

--

73

Jack, W4KH/Mobile - - - Mailing List Archiver/Owner - - -
listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"
"Il n'y a que les idiots qui ne changent jamais d'idee"
Thu Sep 9 11:15:01 CDT 1999

Date: Thu, 9 Sep 1999 12:46:05 -0400
From: Don <71333.144@compuserve.com>
Subject: HB Audio Amp FS
To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors <boatanchors@theporch.com>
Message-ID: <199909091248_MC2-8436-4618@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
charset=us-ascii
Content-Disposition: inline

I have a rather nicely made homebrew audio amplifier for sale. It is 19" rackmount with a large VU meter in the middle. The input connector is cannon XLR and is marked 600 ohms. The output tubes are 5881's and the output transformer is an Acrosound T0-300. The only other tubes are 6SN7, 5U4G and what probably is a 12AX7--though the markings have worn off so I can't tell for sure.

I have an Acrosound catalog that has circuit examples and one of them uses the T0-300 and comes very close to this circuit only it uses 6L6 tubes and has no 12AX7 (or whatever it is). This thing looks like it was made by an audio or broadcast professional. I have never powered it up, but it is a very simple circuit and should not take much to get going. Use it as an audio amplifier or modulator.

\$85 shipped to your door (shipping will be \$15-\$25 since this thing is

heavy). Add \$10 and I will include the original Acrosound catalog.

--Don Merz, N3RHT

Date: Thu, 9 Sep 1999 12:54:51 -0400
From: don merz <71333.144@compuserve.com>
Subject: BA Misc & Literature FS
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199909091258_MC2-8427-EC2B@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
 charset=us-ascii
Content-Disposition: inline

BA Miscellany and Manuals For Sale

CONTACT: Don Merz, 47 Hazel Drive, Pittsburgh, PA 15228
 71333.144@compuserve.com

FOR SALE: BA MISCELLANY

Millen 90903 rackmount oscilloscope. 3" version. Nice looking, gets trace but is unrestored. \$65

Bug. This is the Japanese made bug that has a black base and clear plastic cover. It was sold under the Lafayette name and others. This one works great and looks great except that the plastic cover has been cracked and glued back together. This repair is very well done. \$40

Communications Equipment Company RHZ receiver. This is a fixed-frequency HF receiver designed for airport frequency monitoring. Crystal-controlled. Tuned to either 3105 kc or 3117 kc. Retunable to any nearby frequency with procedure given in manual. Will go to 80 meters with no coil mods and 160 meters with minor coil mods. This is a 19" rackmount radio, 5" high with simple black wrinkle front panel. Front panel is excellent. The cover has some scratches--some deep. Tube lineup is 80, 6V6, 4-6K7, 6K8, 6SJ7, 6H6 and 6SL7GT. With original manual: \$60. Heavy.

Phillips Type BX-526-A shortwave receiver. Very pretty large plastic radio with simulated woodgrain sides and top. It has beige pin-striping and beige cane-look grille cloth. The slide rule dial displays 4 bands. One is AM BCB, 500kc to 1700 kc. Then 2 more bands cover the shortwaves from 3.5mc to 24mc. Finally, the 4th band is a bandspread band for 25M and 30M where 9mc to 12.5 mc takes up the entire length of the dial. A tuning eye is mounted in the upper left corner of the grille cloth area. This has some scratches but is in fine overall condition. When powered-up, the radio motorboats loudly. The original fiberboard back is on the radio as is the original power cord. The band change pointer works with the band change knob and the dial also works. \$30 as-is.

FOR SALE: BOATANCHOR MANUALS

Ameritron AL-811 HF Power Linear Amplifier original Instruction Manual.
Like new. \$9 PPD

B&W 600 Grid Dip Meter good photocopy. \$5 PPD

Collins 51J3 Sams photofact copy, copy of articles from Collins Collectors Magazine on 51J-series, connection diagrams from 51J manuals. \$5.50 PPD

Dumont 304 and 304H original manual. 1949. Excellent. \$10 PPD

Echophone EC-3 photocopy of Rider info. \$3 PPD

Eico 221 VTVM original instruction manual. Good. \$4 PPD

Eico 526-536 Multimeters Construction and separate user manual, 1952: \$5 PPD

Globe Specialties model 6000 650mhz frequency counter original manual.
1985-1988. \$6 PPD

Gonset G-66B copy of service instructions and schematic section of
the manual: \$4 PPD

Hallicrafters S-39 Sky Ranger Rider data and manual photocopy. Good
copies. 40+ pages. \$9 PPD

Hallicrafters SX-101 Mark III fair photocopy: \$5 PPD

Hammarlund HQ-129X original Sams Photofact. Edge wear. Good. \$7 PPD

Harris 1525 Two-Way Radio Manual copy. Free.

Heathkit AA-15 Stereo Amplifier original manual. Cover taped. \$10 PPD

Heathkit AM-2 Reflected Power Meter original manual. Good. \$7 PPD

Heathkit CB-1 lunchbox CB original manual. Some writing on front but
otherwise excellent. \$18 PPD

Heathkit EF-1 manual copy. Excellent. \$7 PPD (2 available)

Heathkit HM-15 Reflected Power Meter And SWR Bridge original manual.
Good. \$7 PPD

Heathkit HN-31 Cantenna dummy load original manual. Excellent. \$5 PPD

Heathkit HR-20 photocopy manual with all 11x17 drawings. Good. \$8 PPD

Heathkit HW-202 2-Meter FM Transceiver original manual. With oversize
assembly drawings and separate parts list. Cover worn. \$14 PPD

Heathkit HWA-2036-3 AC Power Supply original manual. Good. \$9 PPD

Heathkit IM-17 Utility Solid State Voltmeter original manual. Good. \$6 PPD

Heathkit RP-1 Record Player original manual. Dated 1953. Cover splitting
at binding edge. \$10 PPD

Heathkit SB-104 Transciever original Assembly Manual. Excellent: \$14 PPD

Heathkit V-6 VTVM original manual. Small chip in lower front cover
corner. Otherwise good. \$7 PPD

Heathkit XR-1P & XR-1L Transistor Receiver original manual. Excellent
with original sales receipt, oversize drawings, etc. \$13 PPD

Jackson 112 Condenser tester good photocopy. No schematic. \$2 PPD

Knight Capacitor Checker original manual. \$5 PPD

Masco MC-25x amplifier original manual. \$4 PPD

MFJ 408/406 Deluxe Electronic Keyer original manual: \$2 PPD

National HRO 5TA1 poor manual photocopy. \$5 PPD

National NC-240D receiver good photocopy (3 copies available). \$5 PPD

National NC-240D receiver good copy of Sams info. \$3 PPD

Noistop Instruction Manual. Looks like some sort of noise blanker add-on for early CB radios. Covers installation on 18 different brands including Gonset, Hallicrafters, Johnson, Polycomm, etc. \$6 PPD
Precision 640 tube tester original manual: \$3 PPD
Precision Apparatus TV-1 and TV2 High Voltage Multiplier Probe instruction sheet. \$4 PPD
Sprague Tel-Ohmike Model 16 original manual. This looks like a pre-T0 model of the famous cap tester. Excellent. \$10 PPD
Superior X-Rayometer original manual, 1939, no cover (may never have had one). \$8 or I'd buy your X-Rayometer to go with this manual!
Tektronix K plug-in operating manual. Excellent. \$8
Triplett 650 manual copy. Excellent. \$7 PPD
Vanguard Model 407 Converter/Dual-gate MOSFET preamp original instruction sheet: Free to good home with owner's notes.

CONTACT: Don Merz, 47 Hazel Drive, Pittsburgh, PA 15228
71333.144@compuserve.com

Message-Id: <3.0.5.32.19990909122818.0088c120@pyramid3.net>
Date: Thu, 09 Sep 1999 12:28:18 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Jim Isbell <mfalcon@pyramid3.net>
Subject: Sams Photo Facts
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have been cleaning my garage and found a set of bound sets of Sams (9 volumes 4 to 6 inches thick each) from the very first ones up to the end of the "Tube Age". I think they are mostly there. I am wondering if this is something I should hold onto for their future/present value or should I clear out the garage? I have never seen these offered for sale so have no idea if they are rare or easy to get. Anyone know if I found a pot of gold or just some more paper trash?
Cheers,

Jim Isbell

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Date: Thu, 9 Sep 1999 15:47:05 -0400 (EDT)
Subject: SOME THOUGHTS ON TEST EQUIPMENT, ETC.
To: Old Tube Radios <boatanchors@theporch.com>
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
Message-ID: <9909091547.aa25392@pcusa01.ecunet.org>

I keep several 100 kHz/1 MHz xtal calibrators around & installed in a few general coverage receivers. Some are external (ss) & run on a 9 v battery and one is internal, a National XCU-27.

A 1 MHz cal is VERY important as Bob points out esp. on the higher freqs.

Story (there's always a story!): When Sputnik went up in 1957, I was 12 years old. I had saved for 2 years from paper route money to buy a preowned Halli SX-96 from Leo Meyerson's outfit that year. It did not have a xtal cal as the SX-100 did, but I didn't have enuf dough for latter & didn't realize its usefulness.

I never did hear WWV on 20 MHz in NJ for whatever reason (were they still in MD then? No MD to NJ propogation on 20 MHz me thinks)--hey, I was just a kid--so didn't know where *exactly* where on the dial to listen for Sputnik's 020 MHz signal.

It would have been a major thrill to hear Sputnik's beep-beep-beep!

The 100 kHz calibrator of the SX-100 would have helped but a 1 MHz cal would have been even better.

-John Sehring (Thu, Sep 9, 1999 Custer SD USA) UCC WB0EQ

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Date: Thu, 9 Sep 1999 15:47:06 -0400 (EDT)
Subject: MILITARY TEST SET AN/USM-24 QUESTION
To: Old Tube Radios <boatanchors@theporch.com>
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
Message-ID: <9909091547.aa25438@pcusa01.ecunet.org>

A question to satisfy my curiosity:

What is the "selectivity" range of this spectrum analyzer? IOW, what kind of resolution in separating discrete bits of spectrum is possible with it?

For example, could it separate components (sidebands) of an AM signal, say, 1 kHz (or whatever) apart?

The very slow sweep rates & small sweep widths imply to me that it has rather high resolution capability.

Thanks.

-John Sehring (Thu, Sep 9, 1999 Custer SD USA) UCC WB0EQ

Message-ID: <37D81ADD.C08@bellsouth.net>
Date: Thu, 09 Sep 1999 15:38:53 -0500
From: George T Folse III <kb5ww@bellsouth.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: boatanchors@listserv.tempe.gov
Subject: WTB UV 199 tubes
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

All,

I am in need for 6 UV 199 Tubes. Does anyone have any for sale?

Thanks,
George

Message-ID: <37D8297F.9EF5FC22@ix.netcom.com>
Date: Thu, 09 Sep 1999 16:41:19 -0500
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WANTED: WW-II MILITARY RADAR GEAR
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Seeking the following WW-II radar parts:

Manual for BC-929.

BC-800 Receiver/Transmitter

BC-1144 Control Box

or units/documentation marked for AN/APN-2.

Will buy or trade.

73 DE Dave Stinson
arc5@ix.netcom.com

Date: Thu, 9 Sep 1999 17:44:11 -0400 (EDT)
From: cswiger <cswiger@wilma.widomaker.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: American Basic Science Club

Message-ID: <Pine.BSF.3.96.990909173800.23850A-1000000@wilma.widomaker.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Anybody remember an outfit called "The American Basic Science Club"? Circa '65, juvenile experimenter sets of all kinds, the radio/electronics module came w/ several tubes (35w4, 12ba6, 35c5) and worked up to a regenerative radio/xmitter.

Thanks.

Chuck
kb4new
cswiger@widomaker.com

Message-ID: <37D82CE0.F507B8A0@vifp.monash.edu.au>
Date: Fri, 10 Sep 1999 07:55:44 +1000
From: Morris Odell <morriso@vifp.monash.edu.au>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Tube question
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anchorites,

I should know the answer to this but I don't:

Is ALL the shiny metallization on the inside of a tube envelope, getter?
or is there metallization that was put there for shielding or whatever
that doesn't turn white when gas gets into the tube?

73, Morris

Message-Id: <199909092353.TAA23034@mail1.javanet.com>
From: "Larry Bearse" <lbearse@mail1.nai.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Chicago Transformer specs?
Date: Thu, 9 Sep 1999 19:57:31 -0400
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I have added to my junkpile a hb ps with a Chicago Transformer model TR-1040

plate transformer. There is a nameplate, but no specs except for the primary voltage. Anyone got an old catalog in their vast archives?

.....thanks.....Larry WA1LGQ
lbearse@ct1.nai.net

Message-Id: <3.0.6.32.19990909220824.0079f270@ntpop.usnews.com>
Date: Thu, 09 Sep 1999 22:08:24 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Avery Comarow <acomarow@usnews.com>
Subject: Wtd: original manual for Hammarlund HQ-180A
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anybody got one of these at a reasonable price?

Thanks.

73, Avery W40GK

Message-Id: <199909100203.WAA04097@flash.naxs.net>
From: "Barry L. Ornitz" <ornitz@tricon.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Vacuum Tube Metallization
Date: Thu, 9 Sep 1999 22:59:32 -0400

Morris Odell asked about the metallization within vacuum tubes and whether it was ever applied for shielding. In some early tubes, Aquadag (colloidal graphite) was applied to the inner wall of the glass tube for shielding. However it is rare to find modern tubes with this arrangement. As tube design progressed, including better internal shielding, the grid was moved from the top cap to the bottom. Spangenburg discusses some of this in his book.

Metallization applied to the glass in "modern" tubes is usually all getter. In fact, getter size is a compromise. A bigger getter will collect more gas, but will also reflect more heat back to the plate. For the metallization to provide any shielding, it would need an electrical (and mechanical) contact - a problem with some of the Aquadag-coated tubes, and it would cause greater plate capacitance. If an electrical shield is needed, it is easy to add it outside the tube. However, some of the peanut tubes, like the 1AD4 so popular in military battery-operated gear, had a silver paint coating applied as a shield to the outside of the tube. Some CRT's have specialized metallization in addition to the Aquadag 3-rd anode connection.

If the vacuum in a tube is quickly destroyed with a catastrophic leak, the getter may not turn markedly white. The surface quickly oxidizes protecting the metal underneath. A very tiny vacuum loss, however, will allow the getter to react with the gases and either turn white or else darken depending on the composition of the getter.

73, Barry WA4VZQ ornitz@tricon.net

Message-Id: <199909100322.UAA05470@mail-gw3.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Tube question
Date: Thu, 9 Sep 1999 20:22:35 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Morris;

> Is ALL the shiny metallization on the inside of a tube envelope, getter?
> or is there metallization that was put there for shielding or whatever
> that doesn't turn white when gas gets into the tube?

I'm certainly not your best source but I'm pretty certain that the mirror effect comes from the metallic magnesium powder that is flashed by induction to form the getter. Other metals may be used in getters, Terman mentions barium, phosphorous and zirconium as also being used. When certain metals are heated to high temperatures they absorb gases. The trick is to employ a metal that will continue to absorb gases at operating temperature. As the tube ages the metal is used up as the getter appears to turn brownish-white starting around the edges and working towards the center of the getter deposit. Get it?

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Thu, 9 Sep 1999 23:29:17 -0400
From: don merz <71333.144@compuserve.com>
Subject: Odds & Ends FS
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199909092332_MC2-8429-ED0E@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
charset=us-ascii
Content-Disposition: inline

BA Bits And Literature For Sale

CONTACT: Don Merz, N3RHT, 47 Hazel Drive, Mt. Lebanon, PA 15228
71333.144@compuserve.com

National knobs: 5 black bar-type. Used on many National radios and military variants. No pointer. \$2.50 each

National knobs: 3 brown bar-type with pointer. I think these are from the NC-240D. \$2.50 each. I also have the 3 brass plates that go behind these knobs on the 240D: Tone, Phasing and RF Gain: \$1 each.

E.F. Johnson inline coupling...I think. This is a cylinder about 8" long with no outer shell(so the works are exposed). The end plates have SO-239 sockets on them which are connected together by a piece of coax with the shield exposed. The shield is grounded to the cylinder frame. Each end plate also has 2 pin-jacks on it--presumably to take off the signal to drive the meter or indicator that this coupling was attached to. In good condition, whatever it is... \$9 PPD

Shure 55S "Elvis" mic--not working. This is a relatively recent (say 15 years old or so) 55S with no switch. It was working fine until my over-eager children plugged it into a PA system with 48 volt phantom power. Then it quit. This mic looks great. It has the S-M-L impedance adjustment switch. It also has the original Shure cord (with no connector at the far end). But it is not working. I paid big bucks for this and I'd like to get \$90 out of it as-is. But Make an offer...

CONTACT: Don Merz, N3RHT, 47 Hazel Drive, Mt. Lebanon, PA 15228
71333.144@compuserve.com

End of BOATANCHORS Digest 2663
